

20030816.qrp v03_n014.qrl.20030816

Date: Sat, 16 Aug 2003 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3014

QRP-L Digest 3014

Topics covered in this issue include:

- 1) [156354] Re: BLT Tuner is a winner
by "Sverre Holm" <la3za@qsl.net>
- 2) [156355] CALLING: DAVE - K8TRF
by Rick McKee <kc8aon@juno.com>
- 3) [156356] Re: QRP Quarterly?
by "Brian Murrey" <brian@iquest.net>
- 4) [156357] Re: Filing BPL Comments with the FCC
by "Russ Hines" <wb8zcc@fuse.net>
- 5) [156358] Re: QRP Quarterly?
by "NR5A" <nr5a@rap.midco.net>
- 6) [156359] Re: Filing BPL Comments with the FCC
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 7) [156360] Re: QRP Quarterly?
by "Donn" <dkuse@suwanneevalley.net>
- 8) [156361] Re: U-Bolts
by "Larry Przyborowski" <k3peg@comcast.net>
- 9) [156362] O.T. Antenna question.
by "Mark Pupilli" <ns9m@earthlink.net>
- 10) [156363] Re: U-Bolts [Bo'sun Supplies]
by Chuck Carpenter <w5usj@9plus.net>
- 11) [156364] problems all at once
by Chuck Adams <k7qo@commspeed.net>
- 12) [156365] Re: Filing BPL Comments with the FCC
by Stephen Hawkins <wv6u@comcast.net>
- 13) [156366] Re: problems all at once
by "Chris Trask" <chistrask@earthlink.net>
- 14) [156367] Re: Filing BPL Comments with the FCC
by "Russ Hines" <wb8zcc@fuse.net>
- 15) [156368] Re: O.T. Antenna question.
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 16) [156369] Re: Simple SSB rig with PTT.
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 17) [156370] Re: U-Bolts [Bo'sun Supplies]
by "Tom Crawford" <TMCsail@sbcglobal.net>
- 18) [156371] Re: Filing BPL Comments with the FCC
by Tom Severt <n2uhc@yahoo.com>
- 19) [156372] Re: DDS experimenter's kit

by James R Giammanco <n5ib@juno.com>

20) [156373] Back from the Darkness
by Michael Babineau <michael.babineau@sympatico.ca>

21) [156374] Re: U-Bolts
by George Fremin III <geoiii@kkn.net>

22) [156375] New kit: NJQRP DDS Daughtercard
by "George Heron N2APB" <n2apb@erols.com>

23) [156376] 'Homebrewer' arrives...does this mean I'm now an Amqrp member?
by "Bill, N4QA" <n4qa@hotmail.com>

24) [156377] Call for articles
by "Brian Murrey" <brian@iquest.net>

25) [156378] Re: Filing BPL Comments with the FCC
by Thom LaCosta <baltimoremd@baltimoremd.com>

26) [156379] Re: Filing BPL Comments with the FCC
by "tmyers" <tmyers@academicplanet.com>

27) [156380] BPL/PLC links
by "Russ Hines" <wb8zcc@fuse.net>

28) [156381] BPL is a bad - YOU should comment to FCC before Wednesday
by "terres family" <terresfm@adelphia.net>

29) [156382] Re: U-Bolts
by Tim Groat <tcgroat@earthlink.net>

30) [156383] Re: [155905] Experimenters DDS Signal Gen (Parts order buddies
sought) (kinda long)
by "Trevor Jacobs" <kg6cyn@softhome.net>

31) [156384] W8DIZ Frequency Reference
by Jim Lyons <lyons@canada.com>

32) [156385] 17 metres QRP frequency
by "Leon Heller" <leon_heller@hotmail.com>

33) [156386] Re: DDS experimenter's kit
by "Trevor Jacobs" <kg6cyn@softhome.net>

34) [156387] Re: DDS experimenter's kit
by "Trevor Jacobs" <kg6cyn@softhome.net>

35) [156388] Re: BPL is a bad - YOU should comment to FCC before Wednesday
by Thom LaCosta <baltimoremd@baltimoremd.com>

36) [156389] Items for sale
by "wa8jpr" <wa8jpr@comcast.net>

37) [156390] ND fall
by Larry Cahoon <lejek@erols.com>

38) [156391] FS: Yaesu FT-817
by Radioham <radioham@comcast.net>

39) [156392] Grid Questions
by "Ward Silver" <hwardsil@centurytel.net>

40) [156393] FCC's EFCS is DOWN 'til Monday...
by "Bill, N4QA" <n4qa@hotmail.com>

41) [156394] Re: W8DIZ Frequency Reference
by "Tony Fishpool" <tonyg4wif@btconnect.com>

42) [156395] BUBBA CONTEST
by Wayne Rogers <w5kdj@juno.com>

- 43) [156396] Re: Grid Questions
by "Chris Trask" <chistrask@earthlink.net>
- 44) [156397] Re: Grid Questions, International Implications and BPL
by "cal.jsi" <cal.jsi@verizon.net>
- 45) [156398] Re: Grid Questions
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 46) [156399] upadte: simple ssb rig with ptt
by Steven Weber <kd1jv@moose.ncia.net>
- 47) [156400] Re. Grid Question
by Peter Burbank <peterlee@qx.net>
- 48) [156401] Re: Filing BPL Comments with the FCC
by "John A. Evans - N0HJ" <jaevals@codenet.net>
- 49) [156402] Re: Grid Questions
by Paul <mooney@cytanet.com.cy>
- 50) [156403] Got my Homebrew Magazine today
by "Gene Sailsbury" <gsailsbury@mobil1.net>

Date: Sat, 16 Aug 2003 00:51:56 +0200
From: "Sverre Holm" <la3za@qsl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [156354] Re: BLT Tuner is a winner
Message-ID: <000001c3637f\$d4423110\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

> Even then, it tuned fine on 40 but not on 20, and I
> knew something was still wrong. Today I went through
> the directions again and noticed that I hadn't opened
> up the trimmers on the variable caps. After doing
> that, it worked just perfectly both on 40 and on 20.

If you want ot tune antennas on 20-10 meters, you may want to consider
the simple mod to the BLT tuner on
http://www.qsl.net/la3za/QRP_tuner.html (choice of less turns on primary
side of coil).

--
73,
Sverre

Sverre Holm, LA3ZA

www.qsl.net/la3za

Date: Fri, 15 Aug 2003 18:49:49 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [156355] CALLING: DAVE - K8TRF
Message-ID: <20030815.185003.3518.0.kc8aon@juno.com>

CONTACT ME OFF THE LIST PLEASE.

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, Norcal Cascade, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters
SW500
QRP-L #2112, FPqrp #33, AR QRP AmQRP
I'll give up CW when I'm dead ! MAYBE !

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Fri, 15 Aug 2003 18:09:12 -0500
From: "Brian Murrey" <brian@iquest.net>
To: <k2zn@rochester.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156356] Re: QRP Quarterly?
Message-ID: <00d601c36382\$3e17c7b0\$02fea8c0@bjmw2k>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just got a new about a week ago.

Real good issue too.

----- Original Message -----
From: "Al Scanandoah" <k2zn@rochester.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 15, 2003 12:09 PM

Subject: QRP Quarterly?

> When's the last time anyone received one in the mail? I don't think
> I've gotten an issue since February - am I all alone on this?
>
> Al, K2ZN
>
>
>

Date: Fri, 15 Aug 2003 19:15:30 -0400
From: "Russ Hines" <wb8zcc@fuse.net>
To: <k7vo@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156357] Re: Filing BPL Comments with the FCC
Message-ID: <004901c36383\$1f073ee0\$4307c00a@WB8ZCC2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I find it interesting that TV broadcasters and the LEO satellite comm companies aren't pitching a fit over BPL. The intended spectrum includes TV channels 2-5, and the spectrum around 70MHz that we all loved so well as a TVRO satellite IF. While TV signals are very big compared to amateur communications, BPL sure could raise havoc on fringe area TV reception.

The LEO guys (little and big) were drooling over the space around 70MHz, I guess hoping that low band VHF TV goes away after DTV is fully implemented.

It's interesting.

73,
Russ
WB8ZCC

----- Original Message -----
From: "K7VO" <k7vo@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 15, 2003 1:28 PM
Subject: Re: Filing BPL Comments with the FCC

> On Fri, 15 Aug 2003 07:37:49 -0500

> Joe Martin <km5cw@arrl.net> wrote:
>
> > Richard's comments reflect the true sense of urgency we should all
> > embrace when it comes to BPL.
>
> Agreed.
>
> I should also point out that the Democrats are now pushing BPL as a
> campaign issue, and the Republicans seem determined to out-BPL the
> Democrats. The Bush Administration, and of course FCC Chairman Michael
> Powell, are very much on the BPL bandwagon.
>
> We hams, and any and all allies we can find (shortwave broadcasters, the
> churches that support religious shortwave broadcasters, commercial and
> marine interests, law enforcement agencies using lowband VHF, and any
> government agencies on the HF and low VHF spectrum) need to make it
> clear to our elected politicians that 1) we intend to vote in the
> upcoming 2004 elections, and that 2) promoting BPL is a great way to
> lose our vote.
>
> I will certainly continue to do all I can to fight BPL. I am, however,
> contemplating a whole lot more VHF/UHF weak signal work, trying
> satellites again, etc... That assumes, of course, that we can hold onto
> those allocations.
>
> 72/73,
> Caity
> K7VO
>

Date: Fri, 15 Aug 2003 17:24:38 -0600
From: "NR5A" <nr5a@rap.midco.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156358] Re: QRP Quarterly?
Message-ID: <013101c36384\$65684130\$3865dc18@jerry>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got mine on Wed., good reading for sure!

Jerry - NR5A - South Dakota
----- Original Message -----

From: "Mark Schoonover" <schoon@amgt.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 15, 2003 11:16 AM
Subject: RE: QRP Quarterly?

> No, I received mine last week...

>

> 72

>

> .mark

>

> -----Original Message-----

> From: Al Scanandoah [mailto:k2zn@rochester.rr.com]

> Sent: Friday, August 15, 2003 10:10 AM

> To: Low Power Amateur Radio Discussion

> Subject: QRP Quarterly?

>

>

> When's the last time anyone received one in the mail? I don't think

> I've gotten an issue since February - am I all alone on this?

>

> Al, K2ZN

>

>

Date: Fri, 15 Aug 2003 19:37:09 -0400

From: "Lawrence Makoski" <Makos327@worldnet.att.net>

To: <wb8zcc@fuse.net>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [156359] Re: Filing BPL Comments with the FCC

Message-ID: <00a401c36386\$25eea470\$8bba590c@larrysahyqy001>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

You would have to think that once the military gets a view of this BPL issue that the whole thing will be quietly quashed by them and DHS. That's what I'm hoping, at least.

I had a problem when I used to live at home with my folks before I got married. My shack was in what used to be the garage (turned into a utility room). Anyway, I would get an intermittent 20 over 9 plague of static from a faulty transformer on a pole up the street. If one stupid defective transformer knocked me off the air for periods of time, I can

only shudder at the thought of BPL.

73 de Larry W2LJ

W2LJ@arrl.net

<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47
FISTS #1469 QRP-L #778 FP #612 QRPp-I #759
ARS #1528 --- K1 #1647

Date: Fri, 15 Aug 2003 19:37:42 -0400
From: "Donn" <dkuse@suwanneevalley.net>
To: <k2zn@rochester.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156360] Re: QRP Quarterly?
Message-ID: <004401c36386\$3997e810\$7ef827a2@D5DP1021>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't feel along, Al. I haven't got mine yet either.
72,Donn, WB4ZWT
68 and still learning

----- Original Message -----
From: "Al Scanandoah" <k2zn@rochester.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 15, 2003 4:46 PM
Subject: Re: QRP Quarterly?

> Tnx to all who responded. I'll give it a few more days before digging
> further.
>
> 72 - Al
>
>

Date: Fri, 15 Aug 2003 19:45:00 -0400

From: "Larry Przyborowski" <k3peg@comcast.net>
To: <vsantis@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156361] Re: U-Bolts
Message-ID: <002101c36387\$3de10e00\$6401a8c0@K3PEGMOBILE>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Vince,
Go to www.google.com and enter "stainless steel U-bolts". You'll get a lot
of suppliers to choose from.

72, Larry

> Anyone know where I can find stainless u-bolts?
>
> TIA,
>
> Vince Santis, N1VS

Date: Fri, 15 Aug 2003 18:53:10 -0500
From: "Mark Pupilli" <ns9m@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [156362] O.T. Antenna question.
Message-ID: <009f01c36388\$628cc2c0\$8700b93f@b3ju1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone every used one of these antennas?
<http://www.iacantennas.com/stealthbazooka.htm>
I searched the archives and found a message where someone else enquired
once, but did not see any replies. Please E-mail direct.

Thanks!
Mark NS9M

Date: Fri, 15 Aug 2003 18:56:09 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: vsantis@earthlink.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156363] Re: U-Bolts [Bo'sun Supplies]
Message-ID: <3.0.2.32.20030815185609.0082bcd0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Vince,
If you don't mind ordering by mail, try these folks.

<http://bosunsupplies.com>

Good service and lots of stainless stuff to choose from. Get their catalog too.

At 05:37 PM 08/15/2003 -0400, Vin Santis wrote:

>Hi,
>
>Anyone know where I can find stainless u-bolts?
>
>TIA,
>
>Vince Santis, N1VS
>Winsted, CT
>vsantis@earthlink.net
>
>
>---
>Outgoing mail is certified Virus Free.
>Checked by AVG anti-virus system (<http://www.grisoft.com>).
>Version: 6.0.507 / Virus Database: 304 - Release Date: 8/4/03
>
>
>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Sat, 16 Aug 2003 01:00:17 +0100
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-l@lehigh.edu

Subject: [156364] problems all at once
Message-ID: <5.2.1.1.0.20030816005355.00b2a448@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Here is the main reason for the problems occurring: (Water, Power,
Spectrum, etc. ---
all being important resources)

<http://www.ibiblio.org/lunarbin/worldpop>

Set the lower clock to Jan 1, 1972. I thought the value was 2.7B then?
Doesn't matter now.

FYI

Chuck Adams K7QO k7qo@commspeed.net
<http://www.qsl.net/k7qo> CP-60

Date: Fri, 15 Aug 2003 17:05:20 -0700
From: Stephen Hawkins <wv6u@comcast.net>
To: Makos327@worldnet.att.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156365] Re: Filing BPL Comments with the FCC
Message-ID: <200308151705.20574.wv6u@comcast.net>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

QRP List,

On Friday 15 August 2003 04:37 pm, Lawrence Makoski wrote:
> You would have to think that once the military gets a view of this BPL
> issue that the whole thing will be quietly quashed by them and DHS.
> That's what I'm hoping, at least.

I agree all the way about BPL, it is the work of the devil. The header o=
f=20
each packet will be 666.

But the Military doesn't use HF any more. I used to be a Submarine Radio=man,=20
now the Navy no longer has Radioman. In fact it looks to me as if most o=f=20
the newest ships no longer have any HF gear. The military probably no lo=nger=20
cares about what might happen to HF they are on to UHF, SHF and lasers.

Steve
--=20
73 49 111 01001001
Stephen Hawkins WV6U
wv6u@arrl.net

Date: Fri, 15 Aug 2003 17:35:27 -0700
From: "Chris Trask" <chrisrask@earthlink.net>
To: <k7qo@commspeed.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156366] Re: problems all at once
Message-ID: <01b701c3638e\$4b5567a0\$ab044bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

>
> Here is the main reason for the problems occurring: (Water, Power,
> Spectrum, etc. ---
> all being important resources)
>
> <http://www.ibiblio.org/lunarbin/worldpop>
>
> Set the lower clock to Jan 1, 1972. I thought the value was 2.7B then?
> Doesn't matter now.
>

Enjoy it while it lasts. Aren't there supposed to be twice as many of us by 2025?

Chris

/ ,-----. / What's all this \	High Performance Mixers and
/ extinct stuff, anyhow? /	Amplifiers for RF Communications
\ -----'	Chris Trask / N7ZWY

> QRP List,
>
> On Friday 15 August 2003 04:37 pm, Lawrence Makoski wrote:
> > You would have to think that once the military gets a view of this BPL
> > issue that the whole thing will be quietly quashed by them and DHS.

> > That's what I'm hoping, at least.
>
> I agree all the way about BPL, it is the work of the devil. The header of
> each packet will be 666.
>
> But the Military doesn't use HF any more. I used to be a Submarine
Radioman,
> now the Navy no longer has Radioman. In fact it looks to me as if most of
> the newest ships no longer have any HF gear. The military probably no
longer
> cares about what might happen to HF they are on to UHF, SHF and lasers.
>
> Steve
> --
> 73 49 111 01001001
> Stephen Hawkins WV6U
> wv6u@arrl.net
>
>

Date: Fri, 15 Aug 2003 20:48:12 -0400
From: "Lawrence Makoski" <Makos327@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156368] Re: O.T. Antenna question.
Message-ID: <00c201c36390\$12ac5470\$8bba590c@larrysahyqy001>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I remember seeing in some of Bill Orr's books, plans for flagpole
antennas. It has to be less expensive to fabricate one yourself; than
this. \$429 is a lot to plunk down.

73 de Larry W2LJ

W2LJ@arrl.net
<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47
FISTS #1469 QRP-L #778 FP #612 QRPp-I #759
ARS #1528 --- K1 #1647

Date: Fri, 15 Aug 2003 19:54:51 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <kd1jv@moose.ncia.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156369] Re: Simple SSB rig with PTT.
Message-ID: <008501c363a1\$c36cfc90\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now that's just amazing. Here I've been struggling with an SSB transmitter (only). And I'm fooling with microphone preamps and carrier oscillators and balanced modulators ... and now I see this circuit that's a 602 with a mic hooked in directly and a crystal hanging off the side. It doesn't seem fair.

And the IC logic switch-around circuits are just too cool.

72--Nick, WA5BDU

----- Original Message -----
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 14, 2003 1:26 PM
Subject: Simple SSB rig with PTT.

>
> Anyway, the schematic and some notes can be found at
> <<http://www.qsl.net/kd1jv/SSB.HTM>>
> or linked as usual from the home page.

Date: Fri, 15 Aug 2003 21:16:04 -0400
From: "Tom Crawford" <TMCsail@sbcglobal.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156370] Re: U-Bolts [Bo'sun Supplies]
Message-ID: <006501c36393\$f72957d0\$6601a8c0@TOMDELL>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> >Hi,
> >
> >Anyone know where I can find stainless u-bolts?
> >

Try West Marine

73,
Tom
W3TMC

Date: Fri, 15 Aug 2003 18:24:23 -0700 (PDT)
From: Tom Severt <n2uhc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156371] Re: Filing BPL Comments with the FCC
Message-ID: <20030816012423.90315.qmail@web9604.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Stephen Hawkins <wv6u@comcast.net> wrote:

>
> But the Military doesn't use HF any more.

I beg to differ. The USAF uses HF quite a bit, they have many frequencies to choose from in the HF spectrum. Both the government and the military are heavy users of ALE, or Automatic Link Establishment, to set up voice links on the HF bands. The US Coast Guard uses HF extensively for Search & Rescue operations. The government has Shared Resources (SHARES) nets that are active, with FEMA as major players in those nets.

There is still heavy use of the HF spectrum by military/government agencies. If they get involved, hopefully BPL will be quashed. But it's a matter of them understanding what BPL will do to their communications.

=====

Tom Severt N2UHC
<http://www.geocities.com/n2uhc>

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Fri, 15 Aug 2003 18:28:59 PDT
From: James R Giammanco <n5ib@juno.com>
To: wa6ltv@comcast.net, qrp-1@Lehigh.edu
Subject: [156372] Re: DDS experimenter's kit
Message-ID: <20030815.202450.7535.3.n5ib@juno.com>

OK, here's what I've found as of completion of the CPU board:

1) Made dumb mistake #1 - forgot to install R6 until after everything else was soldered in - luckily there was room to work.

2) On the parts list there is a resistor network labeled RN2, on the schematic and on the silkscreen it is RN1

3) It could be the angle of the photo, but on the "CPU PCB - Component Side" photo it looks like there are female connectors at JP5, JP3, and JP1, but on the "Front View" photo they clearly are male connectors.

My interpretation, which gives with the number of pins available for each kind of connector as called out in the parts list, is that the only female connectors on the CPU PCB are JP2 (top side, for the display) and JP4 (bottom side, for the DDS board)

BTW - what Trevor did on the parts list was just specify all the header connectors as 36 pin. That ends up cheaper than buying them with the specific number of pins. So, you just cut off a strip with the appropriate number of pins for each JP

4) The 4 mounting holes are a very snug fit for #4 machine screws. They can be made to pass, sort of thread them through, but that probably corrupts the through-plating. Electrically, that doesn't matter, as they are not used as ground plane vias, but I think I'll use some 2-56 machine screws to assemble the sections.

5) Assuming that you want to bring out both the buffered and the unbuffered outputs, you'd want to have 3 of those 2-position connector housings instead of the two called out on the parts list.

6) My junque boxxe had beaucoup (that's "a lot of" for you Cajun challenged...) 1N4001, 4002, 4003, and 4007 diodes, but no 1N4004. No

matter, it's just a polarity insurance diode so the 4003 was used, just has a bit lower reverse voltage spec.

I need to reshoot the last photos, so as to include the prodigal R6, and will be able to post the CPU assembly document on Monday at <http://www.qsl.net/n5ib>

72,
Jim N5IB

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Fri, 15 Aug 2003 21:40:26 -0400
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-l@Lehigh.EDU
Subject: [156373] Back from the Darkness
Message-ID: <9C4CF076-CF8A-11D7-8177-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v552)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Well ... after 21 hours without AC power I can certainly say the Paul NA5N is right ... no power ... no background noise. I usually run anything from an S4 to S9 noise level and boy were things ever quiet when the bottom fell out of the grid here in Ontario .. at least until my next door neighbour fired up his 6Kw generator!

Of course I had lots of back up power for radios, but was too busy getting prepared for the prospect of nighttime without lighting, AC etc with a 5 month old baby, to spend much time on the air. Fortunately the weather cooled off overnight and we had a decent breeze so it was possible to sleep.

Latest report is that about 80% of Ontario is back online, with the possibility of rotating blackouts until early next week.

It was a very interesting experience ... makes one realize how dependent

we are on AC power (like for instance no power, no gas pumps, no gas!). Lots of commuters were stuck in traffic due to the slowdowns resulting from traffic lights being out .. many simply ran out of gas before making it home so they just abandoned their cars and walked.

Its nice to be back, lets hope it stays that way.

Michael VE3WMB (in Ottawa)

Date: Fri, 15 Aug 2003 21:22:30 -0500
From: George Fremin III <geoiii@kkn.net>
To: Vin Santis <vsantis@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156374] Re: U-Bolts
Message-ID: <20030816022230.GB13636@kkn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Fri, Aug 15, 2003 at 05:37:14PM -0400, Vin Santis wrote:
> Hi,
>
> Anyone know where I can find stainless u-bolts?

<http://www.mcmaster.com/>

Type ubolt in the search box.

Also here

<http://www.dxengineering.com/>

--
George Fremin III - K5TR
geoiii@kkn.net
<http://www.kkn.net/~k5tr>

Date: Fri, 15 Aug 2003 22:17:12 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "NoGaQRP" <nogaqrp@mailman.qth.net>,
"NoVAQRP" <NoVaQRP@topica.com>,
Cc: "George Heron N2APB" <n2apb@erols.com>,
"Joe Everhart N2CX" <n2cx@voicenet.com>,
Subject: [156375] New kit: NJQRP DDS Daughtercard
Message-ID: <00f601c3639c\$82a4eb00\$fac03ad0@GH001188>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now that HOMEBREWER Magazine is hitting the streets in numbers, we thought we'd let the next big cat out of the bag ... the article in the center of the magazine (i.e., the one to which the issue naturally opens when held) is the NJQRP DDS DAUGHTERCARD.

This kit was actually ready earlier this summer but we decided to hold up on it a bit (see note at the end) despite many QRPers on these lists chomping at the bit for it. Well, we're ready now in a big way to unveil this exciting kit for homebrewers everywhere.

The sub-title on the DDS Daughtercard article really says it all ... "How many ways can you use a self-contained, high-precision dc-30 MHz signal source contained on a 1" x 2" plug-in circuit card? How about as a stand-alone VFO, a signal generator for your bench, a replacement L0 for your Sierra or NC40 transceiver, or perhaps as the heart of an antenna analyzer! Control it with your favorite microcontroller, or even hang it off your PC's printer port. Any way you do it, you'll be generating quality signals for under \$20."

For those who cannot wait to read on, the full details are located at <http://www.njqrp.org/dds> .

The NJQRP Club is offering nearly all components necessary on this small, professionally-done, errorless, mod-free pc board ... all of the 1206 surface mount components, the MMIC amp, the 100 MHz oscillator module, voltage regulator and pin header connector are included in the kit ... all for \$18 postpaid to US and Canadian homebrewers. (\$23 to DX locations.) There's no need to place individual orders to Digi-Key or Mouser. There's no need get group buys together for the MAR-1 amplifier or oscillator can. It's all there.

The only thing you'll need to get on your own is the AD9850 DDS chip ... and that's FREE from Analog Devices. Just go to <http://products.analog.com/products/info.asp?product=AD9850> , register with Analog Devices (i.e., give them your mailing address), and within a week or

so you will receive two free samples of the DDS chip by mail.

But what if you have trouble soldering small SOIC surface mount chips like the AD9850 onto a pc board? Well, we've got a solution for that one too! If desired, the NJQRP has lined up a great resource to assist in soldering the DDS chip onto the printed circuit board. Once you've acquired your free AD9850BRS DDS chip from Analog Device, just send the chip and your DDS Daughtercard circuit board, to Mike WA6OUW, at "KitBuilders". For \$6 he will attach this surface mount chip to the pc board and return it promptly by mail. It's not tested because at that point it's only the DDS chip on a bare pc board, but Mike does excellent work. The NJQRP uses KitBuilders for assembly of the HC908 Daughtercard product, so we know the quality is there! Just place your DDS chip, pc board and a \$6 check or M.O. payable to "KitBuilders" into a padded envelope and send to: KitBuilders, 1630 San Miguel Canyon Road , Watsonville , CA 95076 . Within a week or so Mike will be able to solder on your DDS chip and return it by mail. You can contact Mike by email at wa6ouw@aol.com if you have further questions. In fact, Mike recently said that he'd work up a deal for you if you wanted the entire kit assembled. His prices are just great - you can't go wrong!

You won't believe the packaging of this kit. When you stop to think about it, it can get rather tricky kitting up a project that uses those tiny surface mount chips. NorCal did a splendid job with this challenge in their SMK-1 Transceiver Kit several years ago ... and we adapted Doug's technique for our special case on this project. Tom and Nancy Feeny (K8K0X and NJ8B) tackled this problem for the NJQRP and AmQRP Clubs and came up with a brilliant way of doing it. We won't give away all their secrets, but they ultimately provided all SMT chips taped onto a color-coded strip of paper. You've *just* got to see this one to believe it. And you can, right on the DDS Daughtercard web page <http://www.njqrp.org/dds> . Their technique makes assembly of the kit foolproof and simple. Just slice the tape next to the component you are next installing, remove the part with a pair of needlenose pliers or tweezers and place/solder onto the board!

So just what do you do with a VFO daughtercard containing that doesn't have a microcontroller chip on it? Well, that's 75% of the beauty of this project! *Because* it doesn't have a microcontroller, you'll be able to use the DDS 'card with just about any other microcontroller or project you have on your bench. For example, the NJQRP has a bunch of projects already set up to accept the DDS 'card as a plug-in module. The NJQRP QuickieLab experimenter's platform has a jack that accepts the daughtercard and canned software is downloadable from the website to have the QuickieLab act as a VFO controller for you. Sweep frequencies, dial up a specific one, go from sub-audible all the way up to the 30 MHz max limit and you'll have a very versatile piece of equipment. Pictures of this are on the DDS 'card page <http://www.njqrp.org/dds> .

We have several HC908 Microcontroller Daughtercard projects that already use

the DDS 'card -- the HC908 Exerciser and the Antenna Analyzer II (soon to be available.) You could get the DDS 'card and use it as an optional plug-in to the AntAnal project.

My next project here on my own bench is coupling the DDS 'card with the HC908 daughtercard in the new BLT aluminum enclosure to provide a super compact and rugged portable VFO.

You could take the software from the original WB2V "DDS VFO" project (i.e., the FAR Circuits pcb) and connect the three control lines from that PIC16F84A chip to create the VFO. Or you can use your favorite Atmel controller to serve as a custom controller.

Yet another way is to wire up the DDS Daughtercard to your PC's printer port and use the KA2UPW "SetDDS" Win98 program to have your PC serve as the VFO controller. The diagram and software are located on the DDS 'card web page. The possibilities are endless, and you're going to see more examples of how to use this essential RF module in many other QRP projects going forward in the pages of HOMEBREWER Magazine.

So much to tell about it and so many ways to use such a little and inexpensive project like this! There's even a design feature that stacks up two Daughtercard pc boards to allow a single DDS chip on one board to use the LPF and RF amp of the second board to provide complementary signals. You'll have to read about that feature on the project's web page ... too much information is here already and we don;t want to overwhelm you all with these endless varieties of usage.

Suffice it to say that this module can become a valuable and re-usable component in your homebrew rigs and test equipment in the shack. I have a bunch in use right now and more applications are coming along in the next HOMEBREWER. For example, Joe Everhart, N2CX has plans to be discussing yet another application of this module in a forthcoming issue of his column "Test Topics and More".

We have lots of these DDS Daughtercard Kits in stock and ready for immediate shipment. Plus, for the instant gratification types out there (and I know the feeling well myself!), we have PayPal buttons all set up on the ordering page or you can send PayPal payments manually to n2apb@amsat.org . And of course you can order by snail mail by writing an \$18 check or MO payable to "George Heron, N2APB" and sending to me at 2419 Feather Mae Ct, Forest Hill, MD 21050. We ship the very next day after orders are received.

73, George N2APB n2apb@amqrp.org
and Joe N2CX n2cx@amqrp.org
for the NJQRP Club at <http://www.njqrp.org>
and the AmQRP Club at <http://www.amqrp.org>
DDS Daughtercard web page at <http://www.njqrp.org/dds>

PS: As mentioned, we had the DDS Daughtercard ready for several months -- showed prototypes at Atlanticon, wrote an article about it in QRP Quarterly, and had the project web page posted during that time. But right when we were going to make this availability announcement, Trevor Jacobs KG6CYN introduced his own DDS VFO partial kit, and Jay Bromley W5JAY helped offer a special deal for it. The NJQRP and AmQRP had no intention of competing with this kit from Trevor, nor in confusing the scene by announcing our own Daughtercard's availability, so we backed off and went underground for a while. Now, since the DDS 'card is a major article in our premier issue of HOMEBREWER Magazine that just hit the streets, we're coming out with our kit. This is very okay too, since these projects are really quite different -- Trevor's is a partial kit (pcb, PIC controller and select parts) that functions as a fully stand-alone VFO; whereas the NJQRP DDS Daughtercard is a DDS-LPF-AMP module only (i.e., no controller) that may be used with any microcontroller or PC. We think there's room for both kits and that homebrewers like you on the QRP lists can use whichever might be best for your own applications.

Date: Fri, 15 Aug 2003 22:18:58 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [156376] 'Homebrewer' arrives...does this mean I'm now an Amqrp member?
Message-ID: <BAY1-F54mvBcN7DaJHF00001721@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Lotsa neat stuff in this first issue.
The stark contrast between print and page makes for easy reading...even at low light levels.
Good work, guys.

Just wondering...am I something like a charter member of Amqrp now ?

73.
Bill, N4QA
<http://www.n4qa.com>

STOP MORE SPAM with the new MSN 8 and get 2 months FREE*

<http://join.msn.com/?page=features/junkmail>

Date: Fri, 15 Aug 2003 21:36:59 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "QRPP-I" <QRPP-I@yahoogroups.com>,
"Flying Pigs" <fpqrp-l@fpqrp.com>
Subject: [156377] Call for articles
Message-ID: <001801c3639f\$457d1100\$02fea8c0@bjmw2k>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The September issue of the Bacon Bits newsletter is under construction
and I need your articles.

Anything Ham Radio related works for me.

Don't miss your chance to be famous!

72 es 00

=====
KB9BVN/QRP QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Elecraft K1 - Attic Dipole - 5w
Member of the ARRL - SOC #400
FISTS 5695 CC 764 FPQRP #-57 Bacon Bits Editor
=====

Date: Fri, 15 Aug 2003 22:55:08 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: K7VO <k7vo@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156378] Re: Filing BPL Comments with the FCC
Message-ID: <20030815225222.N75427-1000000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 15 Aug 2003, K7VO wrote:

> We hams, and any and all allies we can find (shortwave broadcasters, the
.....
> need to make it
> clear to our elected politicians that 1) we intend to vote in the
> upcoming 2004 elections, and that 2) promoting BPL is a great way to
> lose our vote.

Couldn't agree more...those folks work for us, and if they aren't doing
the right job for us, we need to fire them.

73

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Fri, 15 Aug 2003 22:06:20 -0500
From: "tmyers" <tmyers@academicplanet.com>
To: <wb8zcc@fuse.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156379] Re: Filing BPL Comments with the FCC
Message-ID: <006701c363a3\$5f591ac0\$0100a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe in 2007 the lower vhf bands for TV will be vacated as the move
to HD TV takes place. The FCC may have trouble selling those
frequencies if the RFI is too bad there.

Food for thought.

Terry
KQ5U
Spring, TX

----- Original Message -----
From: Russ Hines <wb8zcc@fuse.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, August 15, 2003 18:15

Subject: Re: Filing BPL Comments with the FCC

> I find it interesting that TV broadcasters and the LEO satellite comm
> companies aren't pitching a fit over BPL. The intended spectrum
includes TV
> channels 2-5, and the spectrum around 70MHz that we all loved so well
as a

> TVRO satellite IF. While TV signals are very big compared to amateur
> communications, BPL sure could raise havoc on fringe area TV
reception.

>

> The LEO guys (little and big) were drooling over the space around
70MHz, I

> guess hoping that low band VHF TV goes away after DTV is fully
implemented.

>

> It's interesting.

>

> 73,

> Russ

> WB8ZCC

>

> ----- Original Message -----

> From: "K7VO" <k7vo@earthlink.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Friday, August 15, 2003 1:28 PM

> Subject: Re: Filing BPL Comments with the FCC

>

>

> > On Fri, 15 Aug 2003 07:37:49 -0500

> > Joe Martin <km5cw@arrl.net> wrote:

> >

> > > Richard's comments reflect the true sense of urgency we should all

> > > embrace when it comes to BPL.

> >

> > Agreed.

> >

> > I should also point out that the Democrats are now pushing BPL as a

> > campaign issue, and the Republicans seem determined to out-BPL the

> > Democrats. The Bush Administration, and of course FCC Chairman

Michael

> > Powell, are very much on the BPL bandwagon.

> >

> > We hams, and any and all allies we can find (shortwave broadcasters,
the

> > churches that support religious shortwave broadcasters, commercial
and

> > marine interests, law enforcement agencies using lowband VHF, and
any
> > government agencies on the HF and low VHF spectrum) need to make it
> > clear to our elected politicians that 1) we intend to vote in the
> > upcoming 2004 elections, and that 2) promoting BPL is a great way to
> > lose our vote.
> >
> > I will certainly continue to do all I can to fight BPL. I am,
however,
> > contemplating a whole lot more VHF/UHF weak signal work, trying
> > satellites again, etc... That assumes, of course, that we can hold
onto
> > those allocations.
> >
> > 72/73,
> > Caity
> > K7VO
> >
>
>

Date: Fri, 15 Aug 2003 23:40:19 -0400
From: "Russ Hines" <wb8zcc@fuse.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156380] BPL/PLC links
Message-ID: <00eb01c363a8\$1db8ed20\$4307c00a@WB8ZCC2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Familiarization with one's adversaries is a good thing. Read about them and
some of the things they plan. Then try to figure out where and how amateur
radio fits in with this.

<http://www.cenelec.org/Cenelec/Homepage.htm>

<http://www.mainnet-plc.com/index.htm>

BTW, some of the PLC (Power Line Communications or Carrier) companies also
offer telephone service. Looks to me like "too many eggs in one basket."
IMHO, a diverse communications infrastructure is more reliable. Imagine if
the phone system was PLC distributed in New York City when the grid went
down.

73,
Russ
WB8ZCC

Date: Sat, 16 Aug 2003 05:17:18 -0400
From: "terres family" <terresfm@adelphia.net>
To: <qrp-1@Lehigh.EDU>
Subject: [156381] BPL is a bad - YOU should comment to FCC before Wednesday
Message-ID: <000001c363d7\$30f22580\$0200a8c0@amdxp2100>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi,

The Video:

If you have not seen the ARRL video, then find a way to see it. Go to <http://www.arrl.org/news/stories/2003/08/08/2/?nc=1> scroll down to the blue box where it says 'click here'. If you have broadband its not bad, if you have dialup it's a 7.4 megabyte file, so you might want to find a buddy who has broadband and see (more importantly HEAR) it there. My system used Quicktime to view it and the dial up version is a really tiny jerky picture. What it shows is a mobile rig driving around in different areas where they have BPL on a trial basis. Where ever the guy tunes you hear loud static +/- heterodynes across the dial with an occasional unintelligible signal mixed into the noise. If this happens, QRPp will be redefined as kilowatt or less.

How to Comment to the FCC:

Funny thing, but the electronic submission for comments is 'down for maintenance' from Saturday (today) the 16th until Monday the 18th. What I have heard is that comments are due by Wednesday the 20th.

The easiest way to comment is to go to the FCC site:

<http://www.fcc.gov/cgb/ecfs/>

In the right upper corner it says 'submit a filing' click there, enter

the proceeding number, 03-104, in box 1, and then fill in the "required" information in the top part of the form. Then go down to the very bottom and type your comment. Say you are opposed to BPL because of whatever reason you oppose it. Do it, please, do it Monday or Tuesday when the site is back up.

I think the important thing is to voice your opinion and be heard. In Washington everything is compromise, 'perfection is the enemy of good', 'the truth is negotiable', so everything becomes a matter of numbers, numbers of votes, and numbers of dollars. They go whichever way the wind blows.

Please, voice your opinion.

Tnx jerry aa1of

Date: Sat, 16 Aug 2003 03:42:07 -0600
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [156382] Re: U-Bolts
Message-ID: <5.1.1.6.2.20030816033753.00a444a0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

It's been a while, but I've bought them at Ace Hardware.

72,
--Tim (KR0U)

>Vin Santis <vsantis@earthlink.net>:
>
>Anyone know where I can find stainless u-bolts?

Date: Sat, 16 Aug 2003 04:44:15 -0700
From: "Trevor Jacobs" <kg6cyn@softhome.net>
To: jfarnsworth@direcway.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156383] Re: [155905] Experimenters DDS Signal Gen (Parts order buddies sought) (kinda long)
Message-ID: <018101c363eb\$b9d34140\$6b8eb3d1@tjacobs>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey John,

Thanks for taking the time to put these kits together and making it easier for everyone to get the parts! There were 150 total kits sent to Jay. I know that he sold a few at Arkiecon, but I the majority have been sold lately.

73's Trev KG6CYN
<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: John Farnsworth <jfarnsworth@direcway.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, August 15, 2003 1:56 PM
Subject: Re: [155905] Experimenters DDS Signal Gen (Parts order buddies sought) (kinda long)

> BOY! Must be a lot of you that bought the boards and CPU (I think I remember
> there were 50 kits?)

Date: Sat, 16 Aug 2003 07:42:49 -0400
From: Jim Lyons <lyons@canada.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156384] W8DIZ Frequency Reference
Message-ID: <5.2.0.9.1.20030816073140.00a3b390@127.0.0.1>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

I just finished two of these (one for a friend) and had a problem getting both to work. Turns out it was due to my poor soldering of the TCO, perhaps a small amount of flux on the PCB pads and/or the TCO connectors would have helped solder flow in more readily. Anyway they are both working now and I'm very happy with their performance. Now to mount them in a container ... Altoids?

Jim Lyons, VE2KN

Date: Sat, 16 Aug 2003 13:06:25 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: <GQRP@yahoogroups.com>, "Low Power" <qrp-1@lehigh.edu>
Subject: [156385] 17 metres QRP frequency
Message-ID: <000501c363ee\$ebf6eb60\$75447ad5@leon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've just rejoined the G-QRP club after some years, and see from the members' handbook that 18.096 MHz is the international CW QRP working frequency for the 17 metres band. Coincidentally, that is quite close to the 18.1 MHz I chose for the crystals I ordered for my Tx, and I'll be able to pull my oscillator onto 18.096 MHz. Tuning my receiver just above 18.096 I actually heard someone sending CQ - almost buried in the noise, though.

If anyone else is interested in QRP operation on 17 metres, please get in touch and I'll get some more crystals made. Advantages of the band are: low noise levels, relatively few people on it, small antennas and it's quite good for Dx.

73, Leon
--
Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Sat, 16 Aug 2003 05:16:34 -0700
From: "Trevor Jacobs" <kg6cyn@softhome.net>
To: n5ib@juno.com,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156386] Re: DDS experimenter's kit
Message-ID: <018f01c363f0\$3cdca5a0\$6b8eb3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jim and all,

> Got most of the parts in and have begun work on the CPU board. I think

> there are a couple of disagreements between different photos posted on
> the web pages - having to do with placement of male/female header
> connectors. Also a discrepancy on the silk screen label for the
resistor
> network. Not fully positive of this, I need to double check later,
both
> with and without the trifocals :^))

No, the web page shows the connector placement correctly as I built it,
but to clarify it, on the CPU PCB all of the headers are male except for
JP4 (the 6 pin header going to the DDS PCB - mounted to the rear of the
pcb), and JP2 (the 16 pin header going to the LCD Display). Also JP6 on
the CPU PCB is the In System Programming connector and does not need to
be mounted unless you plan on using that feature. JP6 is a 6 pin right
angle male header. All of the headers on the DDS PCB are male.

OOPS!!! Guess I missed that one in the parts list ;-) Yes, in the parts
list RN2 should be RN1. It is labeled correctly on the CPU PCB silk
screen.

> In any event, I plan to write up a set of annotated assembly
instructions
> and illustrate them with a sequence of photos. I should have at least
the
> CPU portion complete and posted by early next week at
> <<http://www.qsl.net/n5ib>> so if you haven't started yet and don't
mind
> waiting you can let me make all the dumb mistakes for you and write up
> the warnings :^))

Thanks Jim! That's great idea. I'd asked a couple of guys if they'd like
to write more detailed instructions as they assembled them, but no
takers ;-) It's a big task to do an assembly manual, and very time
consuming. Unfortunately, work is keeping me VERY busy at the moment and
I just don't have the time to write a proper one. Plus, knowing me, I'd
take a lot of things for granted during the process and leave out
something important. My hat's off to the real kit guys like Dave Benson,
Marshall at OHR and the Elecraft guys for excellent manuals! This is why
I recommended this kit to ONLY very experienced builders. It's not a
beginner's project.

> The DDS board will have to wait on the arrival ERA-SM1 chips and some
27
> ohm resistors, not to mention the arrival of some courage to solder
that
> DDS chip...

Actually soldering the AD9850 in place is quite easy. The way I do it is to place a small amount of liquid solder flux (CG part # 10-4202) on the pads, and place the AD9850 centered on the pads. Then I take a fine tip iron and tack down the 4 corner pins, check the alignment and if all is OK heat the rest of the pins. You don't need to add ANY extra solder. The pads are pre tinned, and with the solder flux added, the solder flows nicely to the pins. Makes for very nice looking assembly.

> BTW - Trevor - can the CPU be powered up and tested without the DDS board
> connected?

You bet! Make sure that you perform the 2 power up functions (EEPROM init and calibration (even though it's not calibrating) or it won't work correctly. Details on the web site...

> This is gonna be a fun weekend... DDS kit to work on, and the postman
> just delivered an AADE LC meter kit (thanks, Marshall, for super quick
> service!)

Good luck with the Kit Jim and let me know how it goes! Take care...

73's Trev KG6CYN
<http://www.qsl.net/kg6cyn>

Date: Sat, 16 Aug 2003 05:33:14 -0700
From: "Trevor Jacobs" <kg6cyn@softhome.net>
To: n5ib@juno.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156387] Re: DDS experimenter's kit
Message-ID: <019901c363f2\$9148ab00\$6b8eb3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jim and all,

> 1) Made dumb mistake #1 - forgot to install R6 until after everything
> else was soldered in - luckily there was room to work.

I spaced things rather wide for this reason...I hate it when I do things like that ;-)

>
> 2) On the parts list there is a resistor network labeled RN2, on the
> schematic and on the silkscreen it is RN1

I'll change the parts list...

> 3) It could be the angle of the photo, but on the "CPU PCB - Component
> Side" photo it looks like there are female connectors at JP5, JP3, and
> JP1, but on the "Front View" photo they clearly are male connectors.
> My interpretation, which jives with the number of pins available
for
> each kind of connector as called out in the parts list, is that the
only
> female connectors on the CPU PCB are JP2 (top side, for the display)
and
> JP4 (bottom side, for the DDS board)

the LCD connector on the CPU PCB is also a female 16 pin header...

> BTW - what Trevor did on the parts list was just specify all the
> header connectors as 36 pin. That ends up cheaper than buying them
with
> the specific number of pins. So, you just cut off a strip with the
> appropriate number of pins for each JP

Yep, it's a lot cheaper. What I do to make them look nice, is to cut the
connectors right on a pin (1 pin more than needed for the PCB) and then
use an emory board to file them down to look nice. The ones that the YL
uses for sculpting her nails work great ;-)

> 4) The 4 mounting holes are a very snug fit for #4 machine screws.
They
> can be made to pass, sort of thread them through, but that probably
> corrupts the through-plating. Electrically, that doesn't matter, as
they
> are not used as ground plane vias, but I think I'll use some 2-56
machine
> screws to assemble the sections.

It was designed for #2 hardware, as this was the hole size in the LCD
Display PCB from Seiko...

>
> 5) Assuming that you want to bring out both the buffered and the
> unbuffered outputs, you'd want to have 3 of those 2-position connector
> housings instead of the two called out on the parts list.

I figured that for most applications, you'd use one or the other

outputs, not both at once. I only use the buffered output in my completed unit...

>

> 6) My junque boxxe had beaucoups (that's "a lot of" for you Cajun
> challenged...) 1N4001, 4002, 4003, and 4007 diodes, but no 1N4004. No
> matter, it's just a polarity insurance diode so the 4003 was used,
just
> has a bit lower reverse voltage spec.

That's why it's there, just in case you hook up power backwards. This should be in ALL designs...

>

> I need to reshoot the last photos, so as to include the prodigal R6,
and
> will be able to post the CPU assembly document on Monday at
> <<http://www.qsl.net/n5ib>>

Thanks again for your help Jim!

73's Trev KG6CYN

<http://www.qsl.net/kg6cyn>

Date: Sat, 16 Aug 2003 10:05:44 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: terres family <terresfm@adelphia.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156388] Re: BPL is a bad - YOU should comment to FCC before Wednesday
Message-ID: <20030816100242.W99741-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 16 Aug 2003, terres family wrote:

>

> I think the important thing is to voice your opinion and be heard. In
> Washington everything is compromise, 'perfection is the enemy of good',
> 'the truth is negotiable', so everything becomes a matter of numbers,
> numbers of votes, and numbers of dollars. They go whichever way the wind
> blows.

I think you're right on the money...we can't overlook making input to the FCC, our legislators and other spectrum users who will be affected

by BPL.

If we don't do that, someone can start kitting up infrared transceivers, since it will be very difficult to use any HF spectrum for communications.

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring and DrakeList
Web Hosting as low as \$3.49/month

Date: Sat, 16 Aug 2003 10:36:10 -0400
From: "wa8jpr" <wa8jpr@comcast.net>
To: <qrp-l@lehigh.edu>
Subject: [156389] Items for sale
Message-ID: <000901c36403\$bc7883c0\$3eaa3c44@cc811568b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have for sale the following:

FT-100D in original carton with all accessories. This model has the 500 Hz filter built in. Asking \$650.00 by postal money order. Will ship UPS in con US.

TS-50 transceiver with mic. No mobile mounting kit. Has been used a backup.

Asking \$450.00 shipped UPS.

Bill WA8JPR

Date: Sat, 16 Aug 2003 14:35:52 +0000
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu
Subject: [156390] ND fall
Message-ID: <5.1.0.14.0.20030816142941.01d14698@pop.erols.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I'm a bit slow with this one - must be too busy.

Last Sunday ND fell all QRP when Jerry, W0GXQ/M gave first Grant and then Mercer to finish off the state. Jerry had planned his trip well in advance to help out a number of people and I just had to take my chances that the thunderstorms would stay away. Fortunately he ran them relatively early in the day before the thunderstorms were supposed to show up. Even with that it was touch and go as to whether he would make it to Mercer before the storms moved in. Fortunately he did and ND is done.

Average power to work a ND county came in at 2.37 watts. Now only six counties in four states to go finish all the counties QRP.

73 de Larry.....WD3P in ND
<http://www.wd3p.net>

Date: Sat, 16 Aug 2003 11:02:34 -0400
From: Radioham <radioham@comcast.net>
To: qrp-l@lehigh.edu
Subject: [156391] FS: Yaesu FT-817
Message-ID: <5.1.0.14.0.20030816110005.01fe94f8@mail.comcast.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Let's try again.

FT-817, mike, antennas, shoulder strap, manual, box and installed narrow SSB filter. All in excellent condition, physically and electrically, approximately one year old.

\$525 including shipping USPO priority insured mail.

72/73,

Steve, N4EUK
Reston, VA

Date: Sat, 16 Aug 2003 08:43:47 -0700

From: "Ward Silver" <hwardsil@centurytel.net>
To: <qrp-1@lehigh.edu>
Subject: [156392] Grid Questions
Message-ID: <009301c3640d\$2ed4b430\$7ca9fea9@DADSLAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>> Hmm, it's beginning to look like the failsafe tripouts need to be
>> re-evaluated... Whatever caused the initial event, the cascade
>> effect across the system should NOT have happened.
>>
>> If in fact it was correct operation, then the system was operating
>> into some touchy parameter areas!
>>
>> Mike
>
> hmmm, without the real numbers, Mike, it is hard to say. Hypothetically
> (since I have no inside information) if 10 generators of equal size are
> supporting the grid at 99% max load and one goes off-line, what happens?
> Those that don't "load-shed" die. If I recall correctly, in that first
big
> outage (in the 1980's?) one of the NYC plants tried to support the grid
with
> manual over-ride. No one else came back to help them and when it died,
they
> spent many months and millions of dollars to get back.
>
> The real problem is for 20 yrs the building of capacity has be held back
> from tree huggers, NIMBYists, concerns with nuclear waste disposal and
> greenhouse gases. All legitimate concerns but the answer is not to stop
> building and let demand continue to increase!
>
> Gary WA6DTX

Mike is correct that the problem resulted from designed operation of the grid's protective structure, but it's not "touchy parameter areas" that are the problem. The system is just being run far too close to maximum capacity to handle large transients and localized system failures. Gary is correct that the problem has its origins in politics, but misses the true cause - the same regulatory structure that holds down our power rates simultaneously discourages investment in expanding and modernizing the power distribution infrastructure.

Free-market enthusiasts in the 70's and 80's suggested that exposing the utilities to competition would result in lower energy prices to consumers. This was achieved by splitting the industry into producers and distributors and, in fact, prices are low. Too low. As a consequence of the split the

generation and distribution systems are now run with the bare minimum of excess capacity, reducing stability and reliability. Nowhere in the partitioned industry does any participant have the financial incentive to make a major investment in the distribution system - the grid - which makes it all work. The expansion capacity that the utilities designed into the grid back before the industry was split up is what enables the system to run as well as it has, even though demand has at least doubled in many areas.

Yes, our electrical grid badly needs an upgrade, but as long as the energy industry is run as a pure competition between those who produce it and those who sell it, the situation will not improve. Does the consumer have a choice? Of course - robust, flexible, cheap - pick any two. Nobody wants to pay for infrastructure - roads, networks, grids. It costs serious money without generating a return on investment in and of itself. If the means of acquiring sufficient revenue (energy sales and trading) is removed from the organizations responsible for the grid (utilities and other generators), the result should hardly be surprising.

At this point, either the regulations are going to have to be changed to encourage investment in the grid or the government is going to have to get involved. I prefer the former not because of any ideological leanings, but because of the good (not flawless, but good) track record of the utilities when money was available for grid-building. Good engineering decisions were made with future expansion recognized as inevitable and necessary. Then the public decided that cheap electricity was the most important thing and here we are.

73, Ward NOAX

Date: Sat, 16 Aug 2003 11:57:46 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [156393] FCC's EFCS is DOWN 'til Monday...
Message-ID: <BAY1-F65FHM9SVj4T2J00041706@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gang,
Been trying to file comments about Docket 03-104...the BPL debacle... with

FCC today.
Kept getting "Error type: Insert Submission Data Failed".
Finally stumbled onto this explanation:

http://gullfoss2.fcc.gov/prod/ecfs/upload_v2.cgi

Appears to have been VERY hurriedly prepared...

73.
Bill, N4QA
<http://www.n4qa.com>

Tired of spam? Get advanced junk mail protection with MSN 8.
<http://join.msn.com/?page=features/junkmail>

Date: Sat, 16 Aug 2003 17:01:12 +0100
From: "Tony Fishpool" <tonyg4wif@btconnect.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156394] Re: W8DIZ Frequency Reference
Message-ID: <00b501c3640f\$a4a3ef80\$4345fea9@bt126228>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,
I just finished mine too. Works a treat.

Maybe the secret is to cover the pad with a small amount of solder and then
when the TCO is in place warm the pad up again as the TCO sinks down into it.

Nice kit Diz - thanks.

Kind regards
Tony - G4WIF

----- Original Message -----
From: "Jim Lyons" <lyons@canada.com>

> I just finished two of these (one for a friend) and had a problem getting
> both to work. Turns out it was due to my poor soldering of the TCO,
> perhaps a small amount of flux on the PCB pads and/or the TCO connectors
> would have helped solder flow in more readily.

<snip>

Date: Sat, 16 Aug 2003 11:24:58 -0500
From: Wayne Rogers <w5kdj@juno.com>
To: n2cq@arrl.net, qrp-1@lehigh.EDU
Subject: [156395] BUBBA CONTEST
Message-ID: <20030816.112458.-1806305.2.w5kdj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Your monthly contest sheet says the starting time is 1800 and the BUBBA web page says 1600. ...--..

Date: Sat, 16 Aug 2003 09:49:55 -0700
From: "Chris Trask" <chrisrask@earthlink.net>
To: "Ward Silver" <hwardsil@centurytel.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156396] Re: Grid Questions
Message-ID: <018801c36416\$6d5a5300\$67054bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

>
> > The real problem is for 20 yrs the building of capacity has be
> > held back from tree huggers, NIMBYists, concerns with nuclear
> > waste disposal and greenhouse gases. All legitimate concerns
> > but the answer is not to stop building and let demand continue
> > to increase!
> >
> > Gary WA6DTX
>
> Mike is correct that the problem resulted from designed operation
> of the grid's protective structure, but it's not "touchy parameter
> areas" that are the problem. The system is just being run far too
> close to maximum capacity to handle large transients and localized
> system failures.
>

<<SNIP>>

>
> At this point, either the regulations are going to have to be
> changed to encourage investment in the grid or the government is
> going to have to get involved. I prefer the former not because
> of any ideological leanings, but because of the good (not flawless,
> but good) track record of the utilities when money was available
> for grid-building. Good engineering decisions were made with
> future expansion recognized as inevitable and necessary. Then the
> public decided that cheap electricity was the most important thing
> and here we are.
>

Nice to see an intelligent comment on the issue of the electrical utilities. I would like to add that this tendency to blame the environmental community for chronic managerial, utility, and other problems is getting to be as blatant as the Nazis blaming the Jews for the problems in pre-war Germany. It's taken decades to see a reversal of the damage being caused by high-sulphur coal that resulted in the acid rain phenomenon. Even now, the acidity of lakes in areas such as the Wind River Mountains in Wyoming and the Lake Placid region of upstate New York are above acceptable levels, but those levels have decreased since the utilities were required to reduce the sulphur content of their exhausts. And it did not result in bankruptcies or sky-high utility rates. Deregulation (in the interest of competition and profit) provided that failure mechanism.

But none of those regulatory requirements impacted the reluctance of the utilities to provide overload capacity in the distribution grid structures. This is an entirely different issue. As with other industries, the electric utilities focused on building entirely new transmission lines rather than upgrade existing ones. We have a number of 10KV and other corridors here in the southwest that could be upgraded to 70KV or more to provide the needed overload capacity that might have helped mitigate the power outage we experienced here many years ago due to a tree branch striking a line outside Portland. In the meantime, municipalities allow the construction of residential tracts right up to the existing corridors, after which the homeowners protest the existence of the lines and towers, just as people who move near airports protest about the noise. In both cases (and numerous others), the litigation that results from poor management on both sides (ie - utilities and government) brings needed and essential improvements to a grinding halt.

We can have reliable utilities, clean air, clean water, affordable public transportation and many other amenities that make this a wonderful country to live in. But it takes intelligent management, which is an oxymoron these days. Running public utilities on the basis of competition and profit is not a workable long-term solution (and neither is it for health care). In Europe, the utilities are owned by the governments and are operated on the basis of being necessary for the benefit of a stable and

Chris

Email: christrask@earthlink.net
<http://www.home.earthlink.net/~christrask>

In addition, from the reported skywave field strengths attributable to

BPL, I would think that there's a likely impact on neighboring countries such as Canada. That leads me to believe that DOS should also be involved in the process of deciding the suitability of BPL.

Also, remember that the due date of 20 August for comments on 03-104 is for reply comments. Accordingly, what we all file should be couched in terms of replies to the comments filed by proponents of BPL.
Cal K4JSI

Date: Sat, 16 Aug 2003 13:30:43 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Chris Trask" <chistrask@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156398] Re: Grid Questions
Message-ID: <011c01c36435\$448f9290\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Chris Trask" <chistrask@earthlink.net>

>

> But none of those regulatory requirements impacted the reluctance of the

> utilities to provide overload capacity in the distribution grid structures.

There is no such reluctance. Conventionally, utilities have been regulated monopolies. They proposed construction to meet public need with margin. The state's public service commission (PSC) would approve what they thought prudent and grant the utility a fair (but not spectacular) return via the rate structure. No reason for reluctance, as the return on investment was assured. Also, PSCs may not only approve, but also insist upon, construction of required margin in facilities. In a deregulated environment, things are much more complex. But it's not possible to entirely deregulate transmission line construction, due to considerations of eminent domain, environmental impact, and so on. Increased resistance in those areas can effectively make construction of new lines impossible.

> This is an entirely different issue. As with other industries, the electric

> utilities focused on building entirely new transmission lines rather than
> upgrade existing ones.

I strongly doubt that. My observation has been that the reverse is true. Construction of new lines has become extremely difficult, so maintaining and upgrading existing ones is the only recourse.

We have a number of 10KV and other corridors here in
> the southwest that could be upgraded to 70KV or more to provide the needed
> overload capacity that might have helped mitigate the power outage we
> experienced here many years ago due to a tree branch striking a line
outside
> Portland.

10 kV? You're kidding, right? That's about the voltage level of the lines running down any residential street. To talk about transmission (as opposed to distribution) lines, you need to get up to 161 kV, 230 kV, 500 kV.

> In Europe, the utilities are owned by the governments and are
> operated on the basis of being necessary for the benefit of a stable and
> efficient (and I might add stress-free) society as well as being an
> essential national interest. Yes, it's called "socialism", and that's how
> Europe has functioned for over a century. Those of us who have lived
there
> understand the differences and the benefits.

What part of Europe are we talking about? The model for deregulation in the US has been one in England, where privately held power producers bid to supply electricity hour by hour in the spot market. Maybe one of the 'Gs' frequenting the list can straighten us out on this one.

Regarding speculation concerning the 'smoking gun' that caused the blackout, both on TV and on this list, I don't think there will be one. It's really got to be a system problem rather than a lightning strike here, fire there, plant trip elsewhere. The system has to be designed to withstand single (and sometimes multiple) failures without a large scale blackout. At most, a small region may have to be cut off for a limited time to save the overall system. For that reason, the answer isn't likely to be found in a simple sound-bite sized capsule, but in a breakdown in management of faults on a system wide basis.

72 & may the force (of electricity) be with you,

Nick, WA5BDU

Date: Sat, 16 Aug 2003 14:40:48 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [156399] upadte: simple ssb rig with ptt
Message-ID: <3.0.6.32.20030816144048.007c5820@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I noticed some errors on the schematic I posted the other day on my web site for the simple ssb rig with ptt. So, I redrew it and the corrected one is up there now. <<http://www.qsl.net/kd1jv/SSB.HTM>>

I also built a complete rig (with external VFO) and manged to fit it on a 3x4" board, using all through hole parts. The board needs one more pass to finalize it, then I may add it to the page. I built this one for 40M, since I don't have an 80M antenna. If we have another NEQRP SSB net soon, I'll try to check in using this rig :-)

I may also do a smt version, I think it would fit into stacked Altoids tins, bolted bottom to bottom. The driver, PA and filters would go into the bottom tin. Could be kinda neat!

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sat, 16 Aug 2003 14:54:59 -0400
From: Peter Burbank <peterlee@qx.net>
To: qrp-l@lehigh.edu
Subject: [156400] Re. Grid Question
Message-ID: <5.2.0.9.0.20030816141715.00a0c1d0@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Lots of interesting perspectives on this possibly OT discussion. I thought I would add my
2 cents. My father and grandfather worked for Northern States Power and I was walking
around in a plant when I was 4 years old.
Yes the tree huggers have stalled out growth. An example is a plant near

St. Cloud MN

that at the time of my visit there, had 3 units running on low sulphur Montana coal.

A fourth unit was under construction which would have made it the largest coal burning

plant in the world. It was stalled out by protesters and never completed.

The sad part was seeing all the rusting pieces stacked outside.

As far as cost/quality is concerned, NSP and Kentucky Utilities are ranked in the top

5 by the national pollsters. KU supplies several states and has some of the lowest

rates in the nation. They are part of the affected grid and their trip outs worked as

intended. So IMHO under present policies it is possible to run this grid system as

expected We don't wear shoes here in Kentucky but we sure are happy with the power

system.

FWIW es 73

Pete NV4V

Date: Sat, 16 Aug 2003 13:51:39 -0600

From: "John A. Evans - N0HJ" <jaevans@codenet.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [156401] Re: Filing BPL Comments with the FCC

Message-ID: <3F3E8B4B.DCF29F8B@codenet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

....and even if "our" military didn't use it for operations, that doesn't mean that "other" militaries/bad guys don't use it, so it would remain important for our receivers to have less noise to deal with.

72 - john - n0hj

> --- Stephen Hawkins <wv6u@comcast.net> wrote:

Date: 17 Aug 2003 01:10:08 +0300

From: Paul <mooney@cytanet.com.cy>

To: Chris Trask <chistrask@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156402] Re: Grid Questions
Message-ID: <1061071808.2914.23.camel@localhost>
Content-Type: text/plain
Mime-Version: 1.0
Content-Transfer-Encoding: 7bit

On Sat, 2003-08-16 at 19:49, Chris Trask wrote:

<SNIP>

>

> We can have reliable utilities, clean air, clean water, affordable
> public transportation and many other ammenities that make this a wonderful
> country to live in. But it takes intelligent management, which is an
> oxymoron these days. Running public utilities on the basis of competition
> and profit is not a workable long-term solution (and neither is it for
> health care). In Europe, the utilities are owned by the governments and are
> operated on the basis of being necessary for the benefit of a stable and
> efficient (and I might add stress-free) society as well as being an
> essential national interest. Yes, it's called "socialism", and that's how
> Europe has functioned for over a century. Those of us who have lived there
> understand the differences and the benefits.

>

> Chris

Not in the UK.

In the 80's & 90's the Government (under Thatcher)sold off the utilities. The electricity supply, gas supply, and (esp.) rail service have never been as bad. Most of the utility companies are now owned by foreign firms (e.g a French company owns most of the water supply)

They went as far as they dared with the health service, but the present government (supposedly further to the left) is going further. When I started working for them in the late 1970's people came from the States to study the NHS, in the 80's British managers went to the US - and the service there has never had a great reputation (unless you can get insurance or you've got money). This was based on a report by the chairman of a supermarket's report based on the view that there was no difference between running a supermarket and running a health service - they both had to satisfy the customer. Never seemed to occur to anybody that he wouldn't last long as boss if he stood up at the AGM & said 'well, we've made no profits this year, but all the customers are happy'

There are now warnings that the US experiences of the past few days will be repeated in Britain.

Paul M

Date: Sat, 16 Aug 2003 17:31:27 -0500
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [156403] Got my Homebrew Magazine today
Message-ID: <01e701c36446\$22524090\$dce6bdd0@n0mq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George you raised the bar for QRP magazines with this edition of Homebrewer.
Outstanding articles that really apply to the QRP community. Great format
and easy to read. You and AmQRP are #1 in my book.

72
Gene NOMQ

End of QRP-L Digest 3014

